

Technical Information

ARIES SCR91xx series



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Character:

Excellent physical properties, yellowing resistance, and good processing properties.

Application:

Suitable for molding application with higher transparent requirements.

Eg. keypad, sanitation commodity for living □ o-ring, seal ring and parts for industrial use.

Physical properties data sheet

ITEM	SCR9130	SCR9140	SCR9150	SCR9160	SCR9170
Appearance	Transparent, no extraneous matter				
Density, g/cm ³	1.07±0.04	1.13±0.04	1.15±0.04	1.18±0.04	1.22±0.04
Hardness Shore A points	30±2	40±2	50±2	60±2	70±2
Tensile Strength MPa≥	8.0	8.0	9.0	9.0	8.0
Tensile Set at Breakage %≥	800	700	600	500	400
Tension Set at Breakage %≤	8	8	8	8	8
Tear Strength kN/m≥	15	20	25	25	25
Volume Resistivity Ω·cm≥	1×10 ¹⁴	1×10 ¹⁴	1×10 ¹⁴	1×10 ¹⁴	1×10 ¹⁴
Dielectric Strength kV/mm≥	20	20	20	20	20
Linear Shrinkage Rate after First vulcanization %	3.1 - 3.7	3.0 - 3.6	2.9 - 3.4	2.8 - 3.3	2.6 - 3.2

Physical and Mechanical Properties are based on first vulcanization data.

Electrical Properties are drawn from second vulcanization data.

Vulcanization condition:

First vulcanization condition for test piece: 175°C×5mins

Second vulcanization condition for test piece: 200°C×2hrs

Vulcanizator: Liquid DMDBH, quantity added 0.65%